Beef Cattle Phosphorus Calculator Worksheet

Farm Name/ Owner

County

Soil P, lb/acre

Forage P,%

Mineral P, %

Phosphorus Dietary Requirements

Beef Cow	% P	Stockers		%P
Late gestation	0.16		1.0 lb/d	.19-.21
Early lactation	.20-.23		2.0 lb/d	.21-.26
Late lactation	.15-.17		3.0 lb/d	.26-.37
Dry	0.13			

Fecal inorganic P, ppm	Estimated dietary P content, %
10	0.12
20	0.19
30	0.26
40	0.33
50	0.40
60	0.47
70	0.54

fecal sample Pi,ppm

sample estimated P %

Instructions for use- *The worksheet allows entry of farm information and relevant P content of soils, forage and free choice mineral. Dietary P requirements of beef cattle are provided for your convenience. If cattle receiving no additional feed or mineral supplementation, fresh forage or hay analysis are accurate indicators of P intake of cattle. If other feed or supplements are provided, collection of a fecal sample will allow estimation of the animal's dietary P intake. To estimate dietary P content simply insert the lab result for Inorganic P (Pi) in the shaded box above and the estimated diet content will appear in the blank space to the right. This diet estimation can be compared to the table on the right to determine if it meet the animal's requirement for P.*